

CLAIM AMENDMENTS

Claim 1 (Currently Amended)

An ink jet recording apparatus which comprises:

a section which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material; and

a section which exposes ultraviolet radiation to the ink image formed on the recording material; ;

wherein the ink jet recording apparatus has a plurality of recording modes each having a different image recording speed in each mode,

the ink jet recording apparatus using an interleave image forming method such that the ink image is composed of jetted ink having different history of exposure to ultraviolet radiation,

an exposure intensity of ultraviolet radiation exposing to the ink is variable, ~~and the ink image first ejected onto the recording material is formed by exposing the first ejected ink a plurality of times.~~ ; and

a control section which maintains a nearly constant energy amount per unit area of ultraviolet radiation exposed to the recording material, independent of the image recording speed.

Claim 2 (Currently Amended)

The ink jet recording apparatus of claim 1, wherein the image recording speed is varied by

- (a) varying the relative speed of an ink jet nozzle with respect to the recording material,
- (b) varying recording resolution, or
- (c) varying pass frequency of ~~an~~ the interleave system.

Claim 3 (Original)

The ink jet recording apparatus of claim 1, wherein the exposure intensity of ultraviolet radiation is varied by varying the exposure area of ultraviolet radiation or varying an illumination intensity of ultraviolet radiation.

Claim 4 (Canceled)

Claim 5 (Original)

The ink jet recording apparatus of claim 1, wherein an exposure intensity of ultraviolet radiation exposing to the ink is varied corresponding to the image recording speed.

Claim 6 (Currently Amended)

An ink jet recording method which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material and subsequently exposing ultraviolet radiation to the ink image,

wherein the ink jet recording method comprises a plurality of recording modes having a different image recording speed in each mode,

the ink image is formed by an interleave image forming method in which the ink image is composed of jetted ink having different history of exposure to ultraviolet radiation,

an exposure intensity of ultraviolet radiation exposing to the ink is variable, ~~and the ink image first ejected onto the recording material is formed by exposing the first ejected ink a plurality of times~~

maintaining an amount per unit area of ultraviolet radiation exposed to the recording material nearly constant and independent of the image recording speed.

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Claim 7 (Currently Amended)

The ink jet recording method of claim 6, wherein the image recording speed is varied by

- (a) varying the relative speed of an ink jet nozzle with respect to the recording material,
- (b) varying recording resolution, or
- (c) varying pass frequency of ~~an~~ the interleave system.

Claim 8 (Original)

The ink jet recording method of claim 6, wherein the exposure intensity of ultraviolet radiation is varied by varying the exposure area of ultraviolet radiation or varying the illumination intensity of ultraviolet radiation.

Claim 9 (Canceled)

Claim 10(New)

An ink jet recording apparatus which comprises:

a section which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material;

a section which exposes ultraviolet radiation to the ink image formed on the recording material,

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wherein the ink jet recording apparatus has a plurality of recording modes each having a different image recording speed by varying pass frequency employing an interleave system in each mode,

an exposure intensity of ultraviolet radiation exposing to the ink is variable; and

a control section which maintains a nearly constant energy amount per unit area of ultraviolet radiation exposed to the recording material, independent of the image recording speed caused by varying pass frequency employing the interleave system.

Claim 11. (New)

An ink jet recording method which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material and subsequently exposing ultraviolet radiation to the ink image,

wherein the ink jet recording method comprises a plurality of recording modes having a different image recording speed caused by varying pass frequency employing an interleave system in each mode,

varying an exposure intensity of ultraviolet radiation exposed to the ink, and

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maintaining an amount per unit area of ultraviolet radiation exposing to the recording material nearly constant, independent of the image recording speed caused by varying pass frequency employing the interleave system.
